



Welcome to



NMME Sub-seasonal Forecast System Exploratory Workshop

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College Park, MD

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Organizing Committee:

- **Jin Huang** (NOAA/Climate Test Bed)
- **Annarita Mariotti** (NOAA/Climate Program Office)
- **Kathy Pegion** (George Mason University)
- **Ben Kirtman** (University of Miami)
- **Siegfried Schubert** (NASA)
- **Dan Eleuterio** (Navy)
- **Bill Merryfield** (Environment Canada)

Background

- The North American Multi-Model Ensemble (**NMME**) **Seasonal** Forecast System has been tested and will be implemented in NCEP operations.
 - The NMME phase-II daily data were produced at monthly basis; several research projects evaluating and applying the data
 - The sub-seasonal protocol was developed based on limited data
 - NMME and EUROSIP can be better coordinated
- There is a **gap in sub-seasonal time scales** between weather forecasts and seasonal forecasts to meet user needs
- There are ongoing national and international research efforts
 - Predictability and prediction studies at S2S time scales
 - WMO S2S, GASS, MJO TF and other efforts
 - US NRC S2S Study
 - Model development in various centers/groups
 - Existing operational sub-seasonal forecasts

Purpose of the Workshop

- 1) **Assess current operational sub-seasonal prediction practice and skill** and on-going sub-seasonal system development at NCEP and other centers nationally and internationally.
- 2) **Assess the sources of sub-seasonal predictability** based on broad research and analysis including those based on NMME data.
- 3) **Improve understanding of operational requirements** to help assess sub-seasonal prediction system requirements and feasibility characteristics.
- 4) **Identify research priorities, pathways and experiments to design the protocol and experiments for a potential NMME sub-seasonal forecast system**
- 5) **Coordinate with WCRP/WWRP S2S project** and other relevant sub-seasonal prediction research efforts.

Expected Outcomes

- An **assessment of the scientific opportunities and issues** for an extension of NMME to sub-seasonal prediction and coordination with the S2S project.
- A **coordinated re-forecast protocol** for a potential NMME sub-seasonal forecast system.
- An **assessment of the operational and stakeholder needs** for future testing and implementation at CPC.

The organizing committee will develop a report based on the meeting discussions.

Logistics

- Lunches/coffee
- Group dinner at Franklin's Restaurant
- In case of emergence,...
- Restrooms
- Microphones to ask questions
- Breakout sessions